

1 **WHAT IS CLAIMED IS:**

2 1. A fuel dispensing system, comprising:

3 a fuel dispenser for pumping fuel in response to dispenser control signals applied  
4 thereto;

5 a pump controller for generating said dispenser control signals, said pump controller  
6 having a communications interface adapted to receive transaction signals from  
7 said fuel dispenser and to transmit said dispenser control signals from said pump  
8 controller to said dispenser;

9 an intermediary module coupled to said communications interface and to said dispenser,  
10 said intermediary module adapted to intercept said transaction signals and said  
11 dispenser control signals;

12 a display and control module, coupled to said intermediary module;

13 a display, coupled to said display and control module, for displaying multimedia content;

14 wherein said intermediary module transmits at least one transaction signal from said fuel  
15 dispenser to said communications interface and to said display and control  
16 module.

17 2. A system in accordance with claim 1, wherein said intermediary module modifies at least  
18 one dispenser control signal received from said communications interface and transmits said  
19 modified dispenser control signal to said fuel dispenser.

20 3. A system in accordance with claim 1, wherein said intermediate module modifies at least  
21 one transaction signal from said fuel dispenser and transmits said modified transaction signal to  
22 said communications interface.

23 4. A system in accordance with claim 1, wherein said display and control module generates  
24 control signals to control said intermediary device to generate dispenser control signals and  
25 apply said dispenser control signals to said fuel dispenser.

26 5. A system in accordance with claim 1, further comprising a server, coupled to said display  
27 and control module by a communications link.

28 6. A system in accordance with claim 5, wherein said communications link comprises a  
29 wireless communications link.

1 7. A system in accordance with claim 5, wherein said server transmits multimedia content  
2 to said display and control module via said communications link.

3 8. A system in accordance with claim 7, wherein said multimedia content is displayed on  
4 said display.

5 9. A system in accordance with claim 1, further comprising a user interface, coupled to said  
6 display and control device, for allowing a user to specify that an additive is to be dispensed with  
7 fuel dispensed by said dispenser.

8 10. An intermediary module adapted to be coupled to a fuel dispenser, a dispenser  
9 controller, and a display and control module, said intermediary module responsive to dispenser  
10 control signals transmitted from said dispenser controller to process said control signals in  
11 accordance with programming provided by said display and control module and to transmit said  
12 processed control signals to said fuel dispenser.

13 11. An intermediary module in accordance with claim 10, wherein said intermediary module  
14 is responsive to transaction signals transmitted from said fuel dispenser to process said  
15 transaction signals in accordance with programming provided by said display and control  
16 module and to transmit said processed control signals to said dispenser controller.

17 12. An intermediary module in accordance with claim 11, wherein said intermediary module  
18 is responsive to control signals from said display and control module to generate dispenser  
19 control signals to be applied to said fuel dispenser.

20 13. An intermediary module in accordance with claim 12, wherein said intermediary module  
21 is responsive to control signals from said display and control module to generate transaction  
22 signals to be transmitted to said dispenser controller.